

## CLAIMS

What Is Claimed Is:

1. A personal location tracking system comprising:

a plurality of relay stations fixed in geographical regions, each of said relay stations

5 configured to receive electronic signals and to transmit electronic signals via a transmitter;

at least one portable electronic communication device, said device including means for transmitting an electronic signal for reception by at least one of said plurality of relay stations, said transmitted electronic signal including information identifying the portable electronic communication device;

10 at least one portable tracking unit adapted to receive electronic signals from said plurality of relay stations, whereby position coordinates for each of said portable electronic devices is received by said at least one portable tracking unit.

2. A personal location tracking system according to claim 1, wherein said at least one

15 portable electronic communication device is adapted for obtaining and transmitting latitude and longitude coordinates for said device.

3. A personal location tracking system comprising:

a plurality of relay stations fixed in geographical regions, each of said relay stations

20 configured to receive electronic signals via a receiver and to transmit electronic signals via a transmitter, each of said relay stations including position indicating data;

at least one portable electronic communication device, said device including a battery power

source and means for periodically transmitting an electronic signal for reception by at least one of said plurality of relay stations, said transmitted electronic signal including information identifying the portable electronic communication device and automatically updated position coordinates for said electronic device ;

5           at least one portable tracking unit adapted to receive electronic signals transmitted from said plurality of relay stations, whereby position coordinates for each of said portable electronic devices is received by said at least one portable tracking unit.

4.       A personal location tracking system according to claim 3, wherein said portable  
10   electronic communication device further includes a receiver configured to communicate with a global positioning system.